

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001667

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: C07C 323/47, 259/06; C07D 333/38, 307/68, 241/24, 213/82, 209/42, 207/28, 215/40, 277/62, 213/75, 213/40, 211/58, 295/185, 209/14, 401/12, 235/14, 231/56, 215/38; A61K 31/16, 31/198, 31/4015, 31/381, 31/34, 31/4406, 31/4965, 31/404, 31/4402, 31/4406, 31/428, 31/4468, 31/47, 31/4709, 31/4706, 31/4184; A61P 35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATA BASES BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN FILE REGISTRY, CA: substructure based on the hydroxamic acids of the examples

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2003/032921 A2 (SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH), 24 April 2003. See whole document, particularly Formula XVI, compounds on pages 25, 26, 31 and 32.	1-5, 28-81
X	WO 2001/018171 A2 (SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH et al.), 15 March 2001. See whole document, particularly Examples 1 to 5, compound 36, 38, 39, 57 to 59, 65, 68, Table 2.	1-5, 28-81
X	K. TOMIZAKI et al., "Histone Deacetylase Inhibitors Based on Trapoxin B", Peptide Science, 1998, 35 <sup>th</sup> , pp. 181-184. See compound (10), Ac-L-Asu(NHOH)-NHBzl.	1-5, 28-81

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
19 January 2005

Date of mailing of the international search report  
08 FEB 2005

Name and mailing address of the ISA/AU

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## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/AU2004/001667**

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 2004/089293 (MEMORIAL SLOANE-KETTERING CANCER CENTER et al.), 21 October 2004. See whole document.	1-5, 28-81

## INTERNATIONAL SEARCH REPORT

International application No.  
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**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 1 to 5, 50 to 53, 79 to 81 (all in part)  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
Due to economic constraints the search has been limited substantially to derivatives in which the linking group (R<sub>1</sub>) is an alkyl chain and the zinc-binding moiety (M) is a hydroxamic acid.
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO	2003032921	CA	2463552	EP	1443928	US	2004087657
WO	2001018171	AU	69327/00	BR	0014254	CA	2383999
		EP	1231919	HU	0202707	NZ	517613
		SK	3302002	US	6511990	US	2004002506
		ZA	200201544				
WO	2004089293	US	2004266818				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							